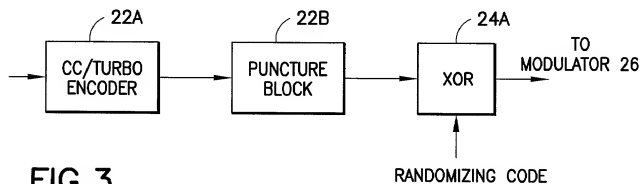


FIG. 2



| PARAMETER | MODULATION AND CHANNEL CODING | | |
|---------------------------------|--|--|--|
| | QPSK w/R=4/5 CODING (1.6 BITS/SYM) | 16-QAM w/R=4/5 CODING (3.2 BITS/SYM) | 64-QAM w/R=4/5 CODING (4.8 BITS/SYM) |
| RF CHANNEL BANDWIDTH | 3.5 MHz | 3.5 MHz | 3.5 MHz |
| CHIP RATE | 2.56 Mcps | 2.56 Mcps | 2.56 Mcps |
| COMMUNICATION CHANNEL BANDWIDTH | 4.096 Mbps | 8.192 Mbps | 12.288 Mbps |
| PEAK DATA RATE | 4.096 Mbps | 8.192 Mbps | 12.288 Mbps |
| CDMA CHANNEL BANDWIDTH (SF=1) | 4.096 Mbps | 8.192 Mbps | 12.288 Mbps |
| CDMA CHANNEL BANDWIDTH (SF=16) | 256 kbps | 512 kbps | 768 kbps |
| CDMA CHANNEL BANDWIDTH (SF=128) | 32 kbps | 64 kbps | 96 kbps |
| MODULATION FACTOR | 1.17 bps/Hz | 2.34 bps/Hz | 3.511 bps/Hz |

FIG.4

| NUMBER OF ELEMENTS | QPSK | | 16 QAM | | 64 QAM | |
|--------------------|---------------------------|-------------------|---------------------------|-------------------|---------------------------|-------------------|
| | AGGREGATE CAPACITY (Mbps) | MODULATION FACTOR | AGGREGATE CAPACITY (Mbps) | MODULATION FACTOR | AGGREGATE CAPACITY (Mbps) | MODULATION FACTOR |
| 1 | 4.096 | 1.17 | 8.192 | 2.34 | 12.288 | 3.511 |
| 2 | 8.192 | 2.34 | 16.384 | 4.68 | 24.576 | 7.022 |
| 4 | 16.384 | 4.68 | 32.768 | 9.36 | 49.152 | 14.044 |
| 8 | 32.768 | 9.36 | 65.536 | 18.72 | 98.304 | 28.088 |
| 16 | 65.536 | 18.72 | 131.072 | 37.44 | 196.608 | 56.176 |

FIG.5

4/4

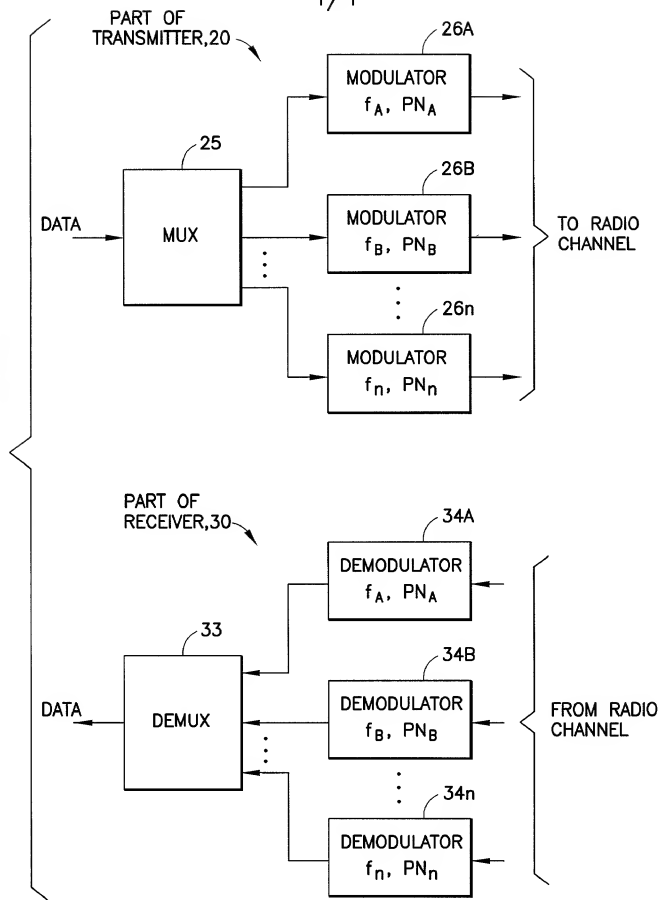


FIG.6